

# Creating Impactful, Responsive Websites Using Business Catalyst

by

Paul Cheney

## Adobe Max 2013

Version 3

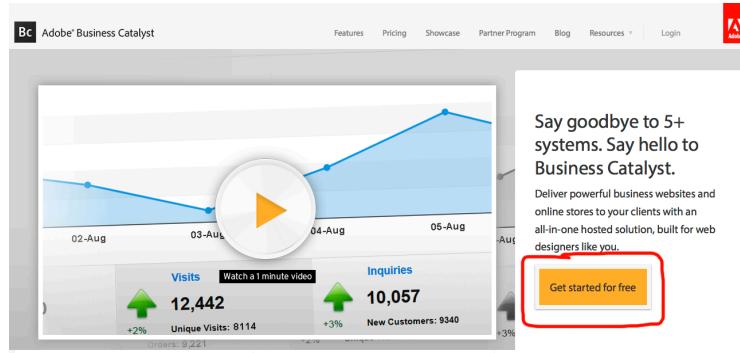
In this 90-minute hands-on lab session, you'll learn how to build responsive web pages inside Business Catalyst that work on phones, tablets, and desktops. This tutorial will use the Browser Width approach, use the Media Query in the CSS file, and use the Mobile First process.

# Session Prerequisites

## Business Catalyst Partner Portal

Prior to starting this session you should have an Adobe Business Catalyst Partner Account. When you first sign up, you'll automatically be placed on the Free Partner plan which gives you the ability to create and manage your client sites from your very own Partner Portal.

You can sign up for a new account at <http://www.businesscatalyst.com/> using your Adobe ID. We will be creating another account under your main account. You will be guided through a 4 step process to get your own partner portal.



## QR Code Reader

It will also be helpful if you have a QR code scanner on your smart phone or tablet.

I use one on my iPhone and iPad called “Scan”.

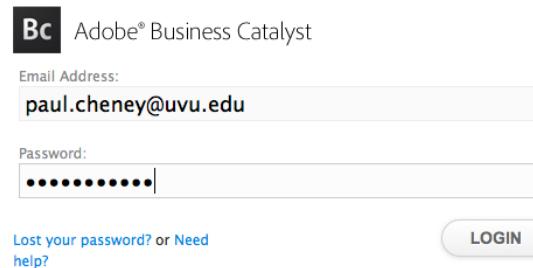
I also use “QR Reader for Android” on my Android Tablet and Phone.



# Create a New Blank Site in Business Catalyst

## Create a New Blank Site

- 1 Login to your Partner Portal Site.



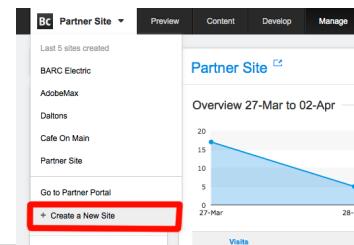
Email Address: paul.cheney@uvu.edu

Password: [REDACTED]

Lost your password? or Need help?

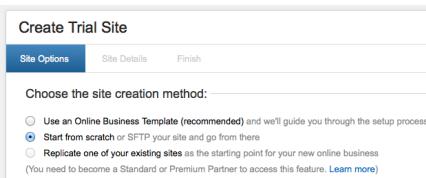
LOGIN

- 2 In the Partner Portal Menu choose “Create a New Site” menu.



- 3 Select the second option “Start from scratch”.

Click “Continue”.



Choose the site creation method:

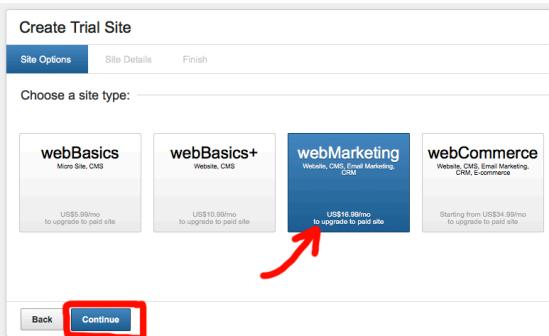
Use an Online Business Template (recommended) and we'll guide you through the setup process

Start from scratch or SFTP your site and go from there

Replicate one of your existing sites as the starting point for your new online business

(You need to become a Standard or Premium Partner to access this feature. [Learn more](#))

- 4 Choose “webMarketing” as the site type.  
Click “Continue”.



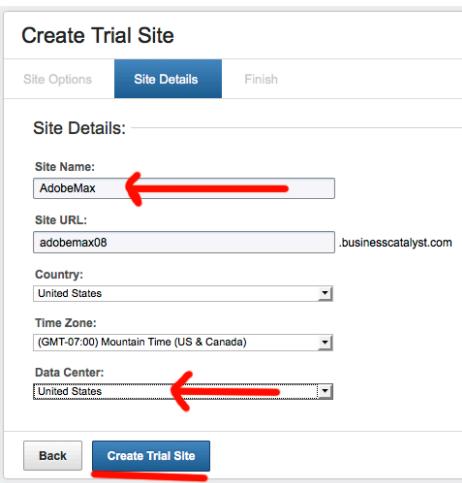
Choose a site type:

**webMarketing** Website, CMS, Email Marketing, CRM

webCommerce Website, CMS, Email Marketing, CRM, E-commerce

Back Continue

- 5 Fill in the Site Name as “AdobeMax” and click tab (it will fill in the Site URL for you)  
Select United States as the Data Center.  
Click the “Create Trial Site” button.



Site Details:

Site Name: **AdobeMax**

Site URL: **adobemax08**.businesscatalyst.com

Country: **United States**

Time Zone: (GMT-07:00) Mountain Time (US & Canada)

Data Center: **United States**

Back Create Trial Site

6 Wait.



Please wait while your site is created, this may take a minute..  
Once your site is successfully created, you will be logged into your Admin Console.  
We'll also send you a copy of your login details via email, for future reference.

7 Click "Manage Site".

Congratulations!

You have successfully created a new trial site. You will receive an email shortly with your login instructions.

[Manage Site](#)

[Preview Site](#)

8 Enter your Email Address and password again.

Adobe® Business Catalyst

Email Address:

Password:

[Lost your password?](#) or [Need help?](#)

# Add two Pages of Content

## Change the Content of the First Page

9 Expand Site Manager and then click Pages. Under Actions (on the right side of the page) click Edit.

10 Under Page Details change the Page Name to "Adobe Creative Suite".

Change Template: to Use default template.

Click OK when prompted.

11 Scroll down and click <>HTML at the bottom of the edit window.

Delete all the code from the page content window area.

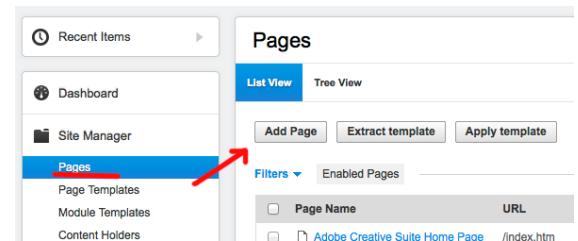
12 Use Notepad to open the source file titled "creativeSuite.txt".  
choose Edit > Select All.  
choose Edit > Copy.

13 Switch back to the internet browser and right-click to paste into the empty space of the "Adobe Creative Suite" page in Business Catalyst.

Click the "Update" button.

## Add a Second Page

14 In the side menu under “Site Manager” click “Pages” and then “Add Page”.



15 Change the Page Name to “What’s Next” and press the tab key.

Change Template: to Use default template. Click OK if prompted.

New Web Page (Draft)

Page Details

Page Name: What's Next

Page URL: <http://adobemax01.businesscatalyst.com/what-s-next> Edit

Folder: / Add Folder

Template: Use default template Preview Edit

SEO Metadata

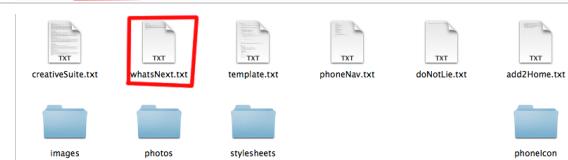
Page Content

Design **HTML**

~~the code from the page content window area.~~

16 Scroll down and click <>HTML at the bottom of the edit window.

Delete all the code from the page content window area.



17 Use Notepad to open the source file titled “whatsNext.txt”.

choose Edit > Select All.

choose Edit > Copy.

18 Switch back to the internet browser and right-click to paste into the empty space of the “What’s Next” page in Business Catalyst.

Page Content

Design **HTML**

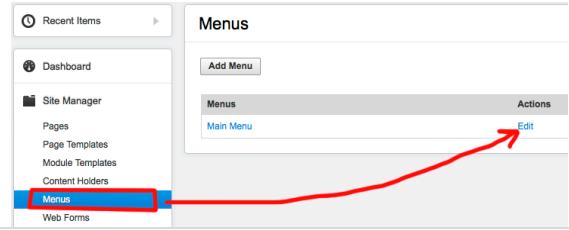
Click the “Publish” button.

**Publish**

# Build a New Menu

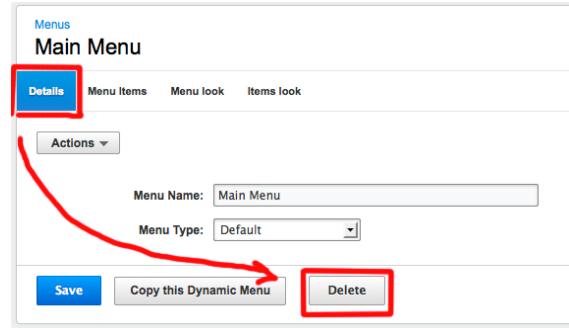
## Delete the Old Menu

19 Under Site Manager, click “Menus”  
Click “Edit” next to the Main Menu.



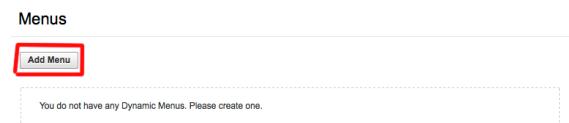
20 Click the “Details” tab at the top.

Click the “Delete” button and “OK” when prompted.



## Add a New Menu

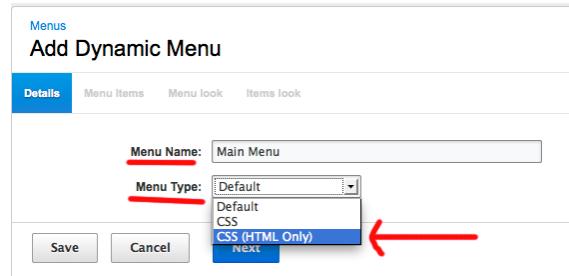
21 Click “Add Menu”.



22 Enter “Main Menu” as the menu name

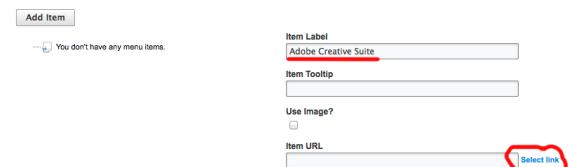
Change the Menu Type to “**CSS (HTML ONLY)**” This is important.

Click “Next”.

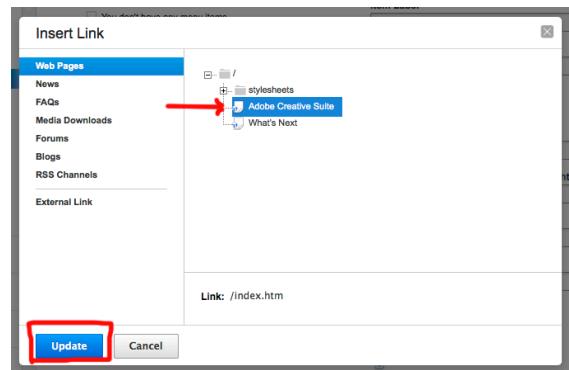


23 Change the “Item Label” to “Adobe Creative Suite”.

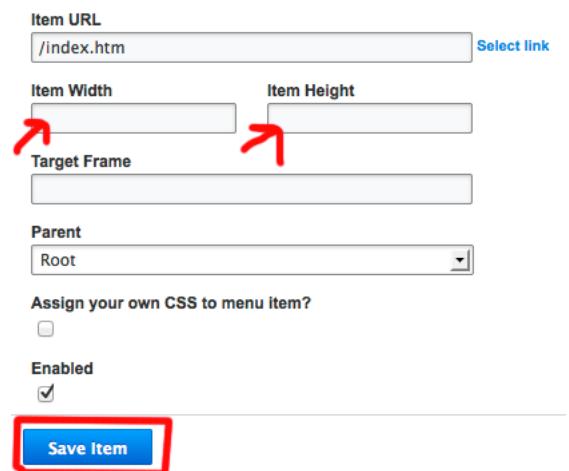
Click “Select Link” next to “Item URL”.



24 From the Web Pages category choose the “Adobe Creative Suite” page and click “Update”.

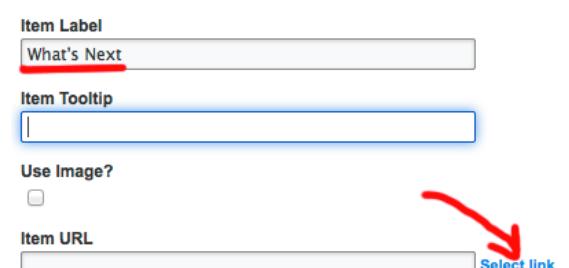


25 Ensure there are NO values in the Item Width or Item Height.



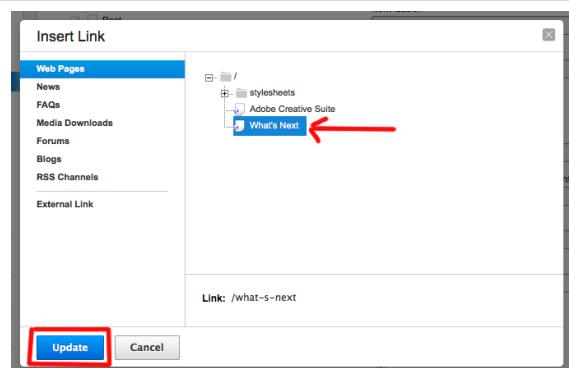
Click “Save Item”.

26 Now let's build another menu item  
Change the “Item Label” to “What's Next”.



Click “Select Link” next to “Item URL”.

27 From the Web Pages category choose the “What's Next” page and click “Update”.



28 Ensure there are NO values in the Item Width or Item Height.

Click "Save Item".

Item URL  [Select link](#)

Item Width  Item Height

Target Frame

Parent

Assign your own CSS to menu item?

Enabled

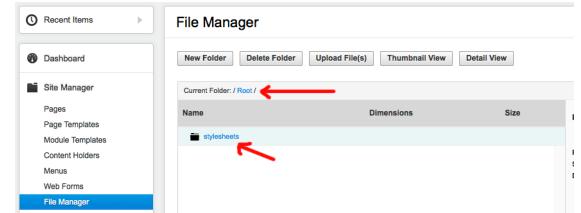
---

**Save Item**

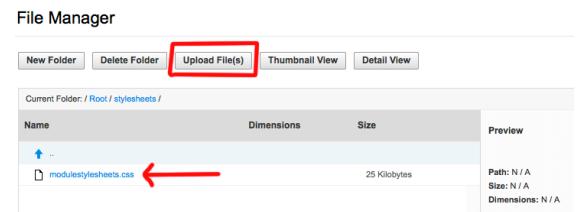
# Upload all necessary files

## Upload the Style Sheets

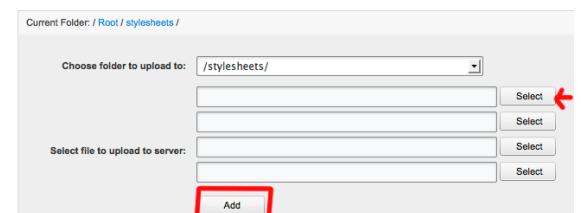
29 Under “Site Manager” click “File Manager”.  
Click the “Root” link to make sure you are at the root level.  
Click the stylesheets folder to open it.



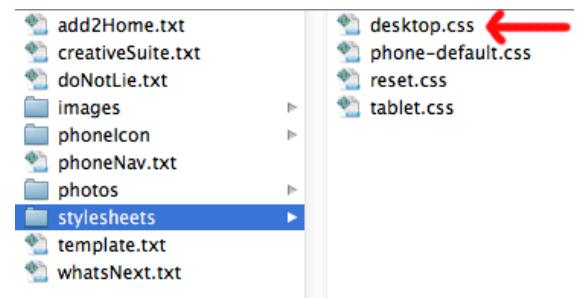
30 You will see the “defaultmodulestyle.css” file is already there.  
Click Upload File(s).



31 Click “Add” two more times to give you 4 boxes.



32 Locate the “**desktop.css**” style sheet from the source files.



33 Click “Select” next to the text area.

Locate the “**phone-default.css**” style sheet from the source files.

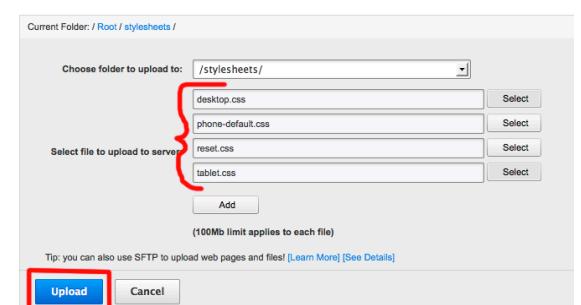
Click “Select” next to the text area

Locate the “**reset.css**” style sheet from the source files.

Click “Select” next to the text area.

Locate the “**tablet.css**” style sheet from the source files.

Click the blue “Upload” button and wait.

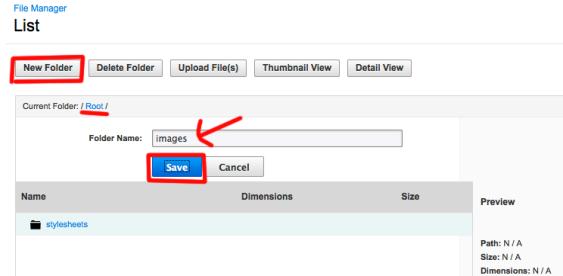


## Upload the Images

34 Click the “Root” link to return to the root of the site.

Click “New Folder”.

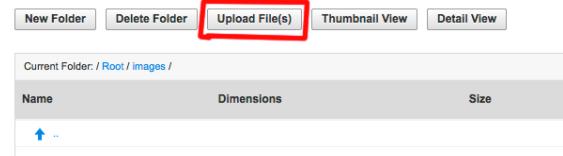
Type “images” (lowercase) as the folder name and click Save.



35 Open the newly created “images” folder by clicking on it.

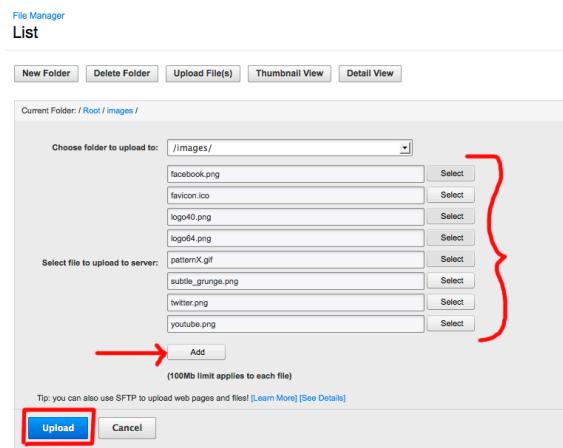
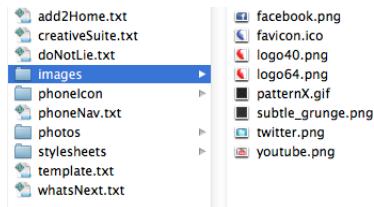


36 Click Upload File(s).



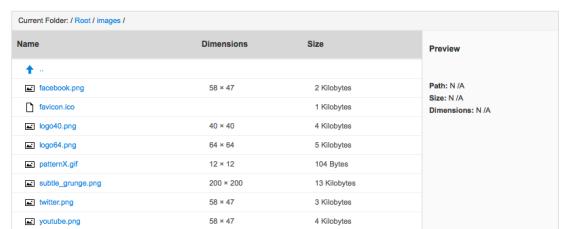
37 Click “Add” 6 more times to give you 8 boxes.

Select all eight of the images from the “images” folder in the source files folder.



Click the blue “Upload” button and wait.

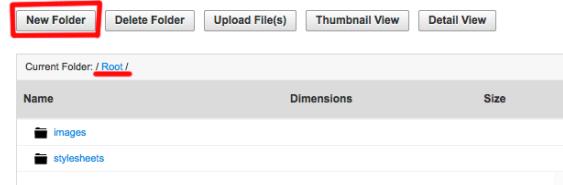
38 When you’re done you should see this.



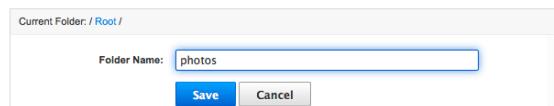
## Upload the Photos

39 Click the “Root” link to return to the root of the site.

Click “New Folder”.



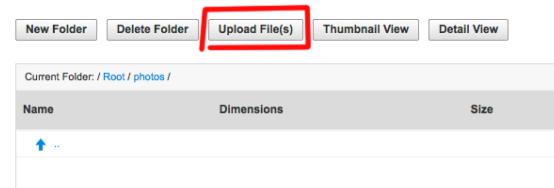
40 Type “photos” (lowercase) as the folder name and click “Save”.



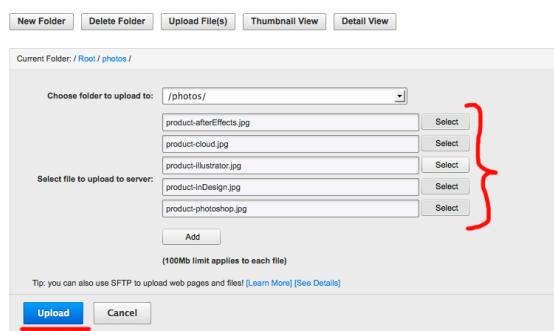
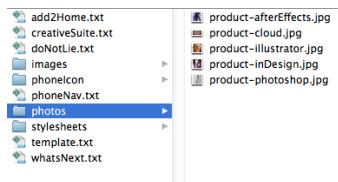
41 Open the newly created “photos” folder by clicking on it.



42 Click “Upload File(s)”.

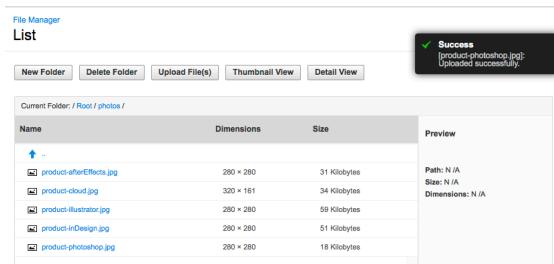


43 Click “Add” 3 more times to give you 5 boxes  
Select **all five of the photos** from the source files.



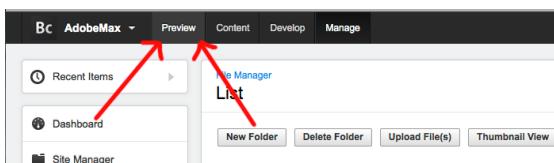
Click the blue “Upload” button and wait.

44 When you’re done you should see this.



## Preview your Site

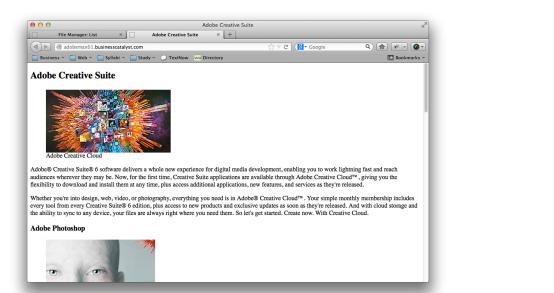
45 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.



46 You should see the “Adobe Creative Suite” page with the five articles and five images.

At this point you should be jumping with excitement if this is your first experience with Business Catalyst.

NOW THE FUN BEGINS!

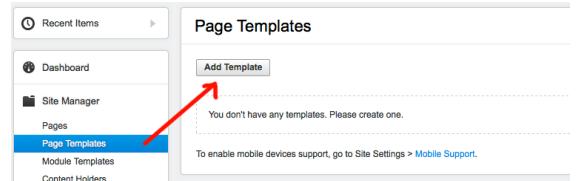


# Page Template

## Create a Page Template

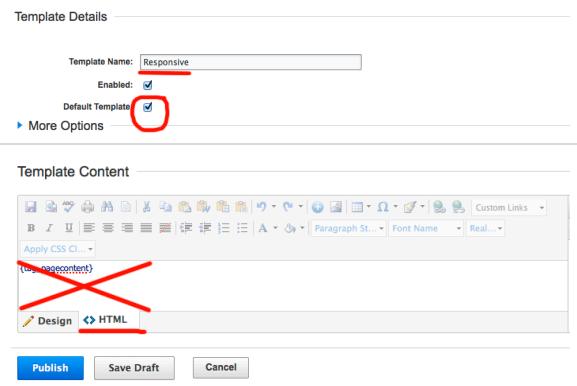
47 Under “Site Manager” click “Page Templates”.

Click “Add Template”.



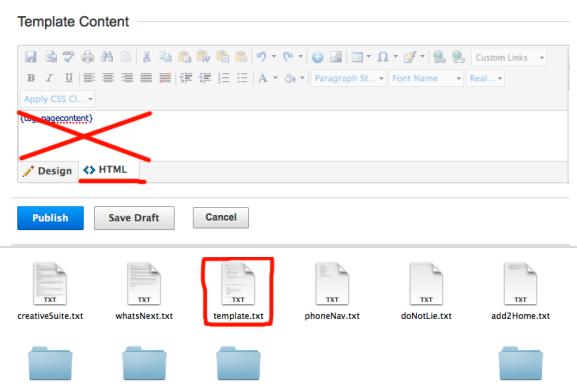
48 Name it “Responsive”.

Click “Default Template” check box.



49 Switch to <>HTML view.

Delete all the code.

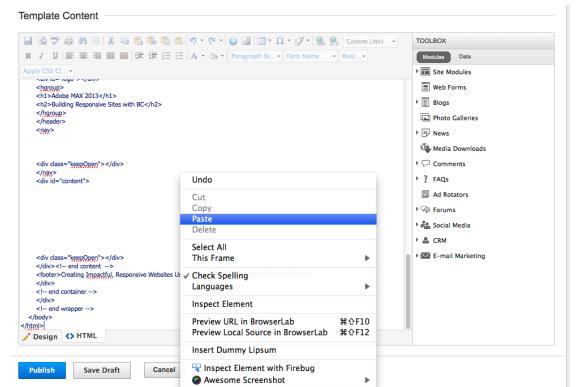


50 Use Notepad to open the source file titled “template.txt”.

choose Edit > Select All.

choose Edit > Copy.

51 Switch back to the internet browser and right-click to paste into the empty space of the “Responsive” page in Business Catalyst.

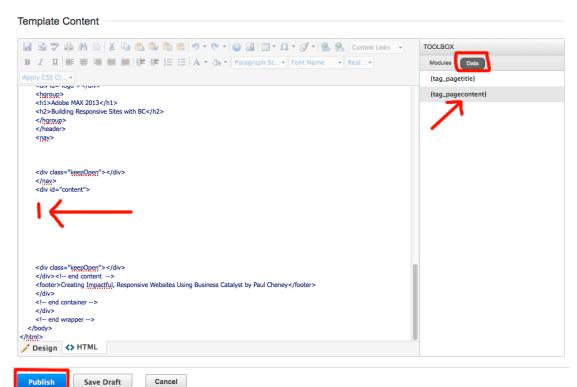


52 Scroll all the way to the bottom of the page and count up about 10 lines.

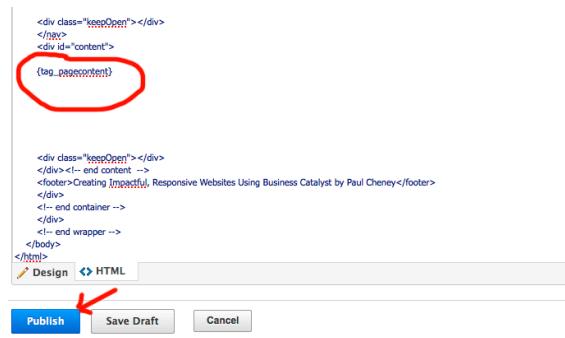
Place your cursor after the opening <div id="content"> tag.

In the TOOLBOX on the right side click the “Data” button.

Click once on {tag\_pagecontent}.



53 You should see `{tag_pagecontent}` inserted into your page.

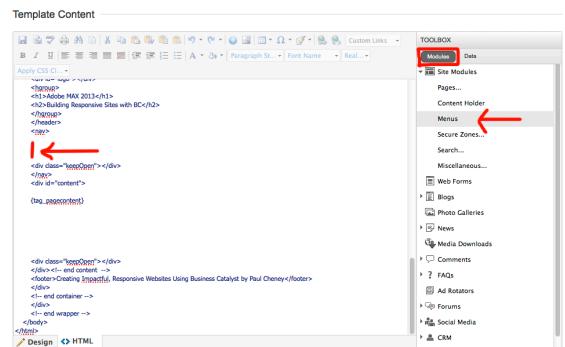


54 Look up four lines above the `{tag_pagecontent}`.

Place your cursor below the opening `<nav>` tag

Open “Site Modules” on the right side.

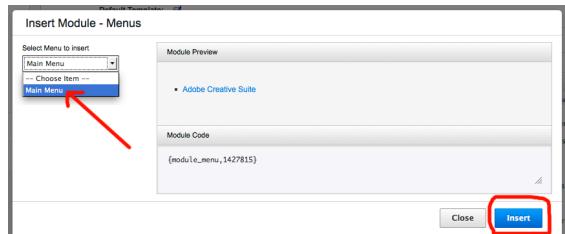
Click “Menus” under “Site Modules”.



55 From the “Select Menu to Insert” dropdown, choose the “Main Menu”.

Click Insert.

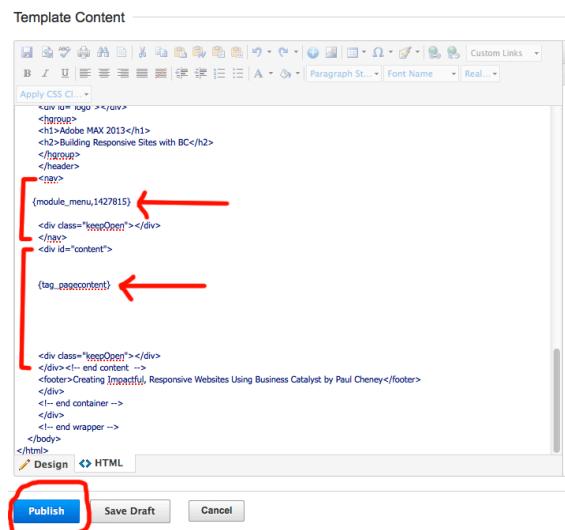
You should see something like this `{module_menu,1426478}` but with a different number.



56 Please double check to make sure you now have a `{module_menu,142XXX}` between the opening and closing `<nav>` tags. Your number will be different than shown.

You should also have `{tag_pagecontent}` between the opening and closing div tags.

Click “Publish”.

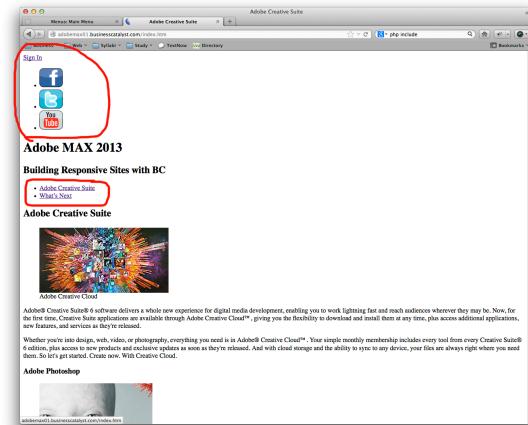
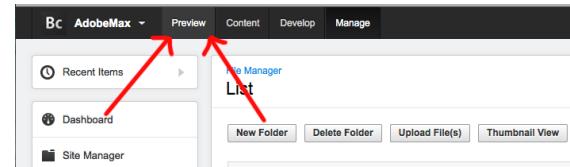


## Preview Your Site

57 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.

58 You will now see the template applied to both of your pages. You will see social icons in the header as well as a two-item menu. The menu should now function and allow you to view the Adobe Creative Suite page as well as the What’s Next page.

**Yes, it's pretty ugly but hold on for a few more steps and we will remedy that.**

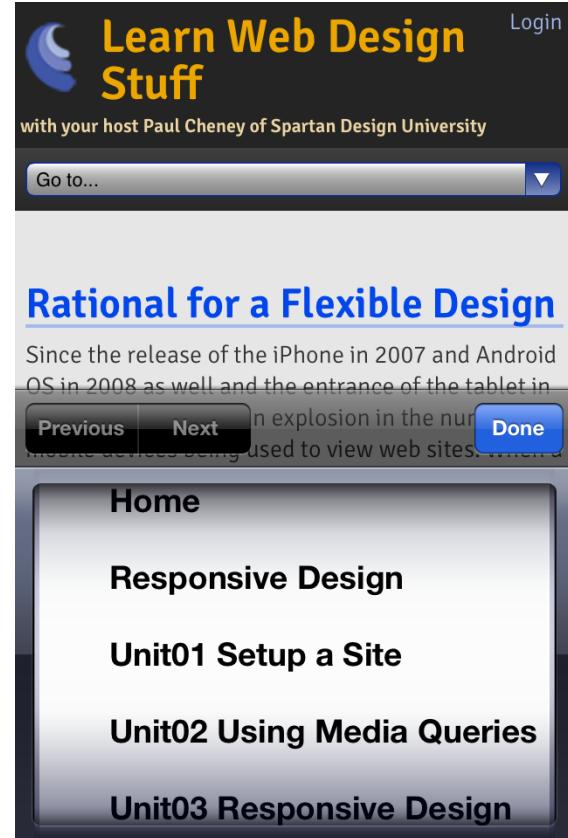


# Phone Menu

## Add jQuery to Duplicate the Menu as an Option/Select

59 In this step we will make a copy of the menu as a typical dropdown you might see in a form on any website. All phones have a built in mechanism to manage Select/Option dropdowns.

The example at the right shows how it displays on an iPhone.



60 Return to the backend of your BC site where we will edit the template.

Switch to <>HTML tab at the bottom of the window.

Find the line down about 16 that says

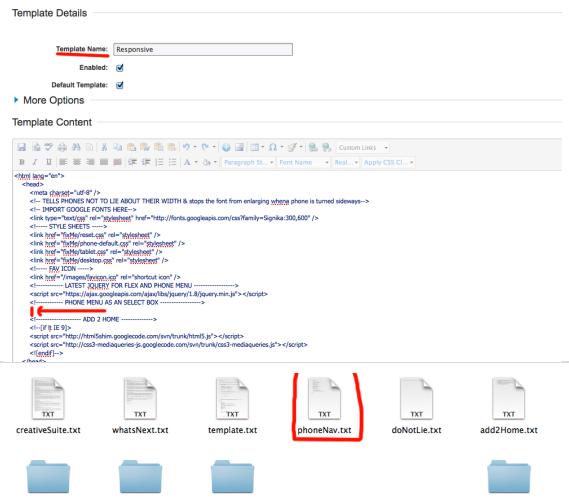
<!------- PHONE MENU AS AN SELECT BOX ----->

Place your cursor after it and click return.

61 Use Notepad to open the source file titled “phoneNav.txt”.

choose Edit > Select All.

choose Edit > Copy.

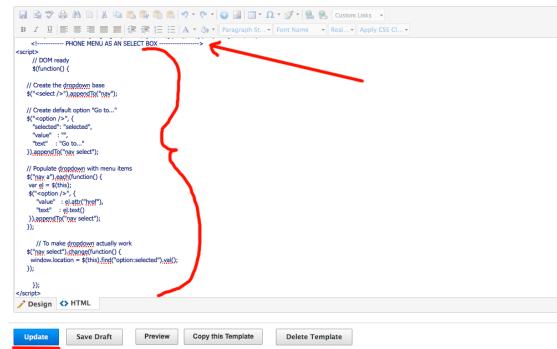


62 Switch back to the internet browser and right-click to paste into the empty space after **<!-- PHONE MENU AS AN SELECT BOX**  
**--->**

You should see the following JavaScript code.

This code looks for the `<nav>` tag on your page template and puts every anchor `<a>` as an option in a select list.

Click Publish or Update.



```
// DOM ready
$(function() {
  // Create the dropdown here
  var dropdown = document.createElement('div');
  dropdown.setAttribute('id', 'dropdown');
  dropdown.setAttribute('class', 'dropdown');
  dropdown.innerHTML = '<!-- PHONE MENU AS AN SELECT BOX';
  // Create default option "Go to..."'
  var option = document.createElement('option');
  option.setAttribute('value', '#');
  option.setAttribute('selected', 'selected');
  option.setAttribute('label', 'Go to...');
  dropdown.appendChild(option);
  // Append dropdown with menu items
  var menu = document.createElement('ul');
  menu.setAttribute('class', 'menu');
  menu.innerHTML = '<!-- PHONE MENU AS AN SELECT BOX';
  dropdown.appendChild(menu);
  // Make dropdown actually work
  $('#dropdown').change(function() {
    window.location = $('#dropdown option:selected').val();
  });
});

```

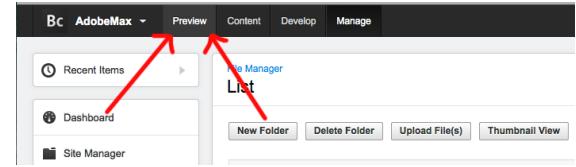
Update Save Draft Preview Copy this Template Delete Template

## Preview Your Site

63 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.

64 Notice that there is now an option/select box which has the same menu items as the menu.

Go ahead and try it. It should also allow you to change between both pages.



## Adobe MAX 2013

### Building Responsive Sites with BC

- [Adobe Creative Suite](#)
- [What's Next](#)



### Adobe Creative Suite

65 If you can click on the tiny select box it will display an interface which allows you to choose one of the options.

Click done after making the selection and you should be able to change pages.

This is the menu we will use for the phone.

• What's Next

Go to... ▾

## Adobe Creative Suite



# Enable the Style Sheets

## Enable the Reset CSS

66 When you code an `<h1>` in html, the browser automatically assigns a font size, font-weight, padding and margin. These can vary between browsers resulting in a different rendition of your work depending on the browser used.

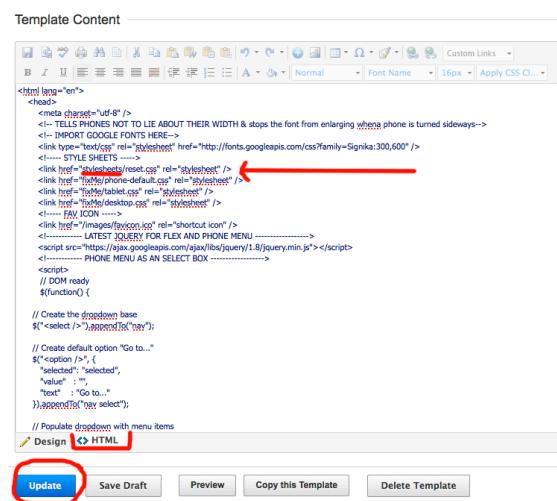
A CSS reset is a CSS file that removes all default settings so all browsers become equal.

67 If you have navigated away from the “Page Templates” please go back and edit the responsive template.

Click the `<>HTML` link at the bottom of the page.

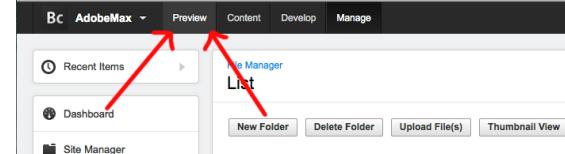
Enable the “reset.CSS” by changing the “fixMe” text to “stylesheets”.

Click “Update” or “Publish”.

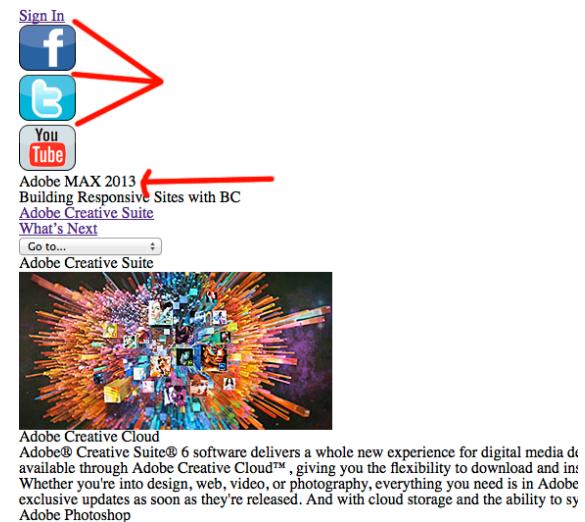


## Preview Your Site

68 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.



69 Notice that the default font sizes and spacing are all gone.



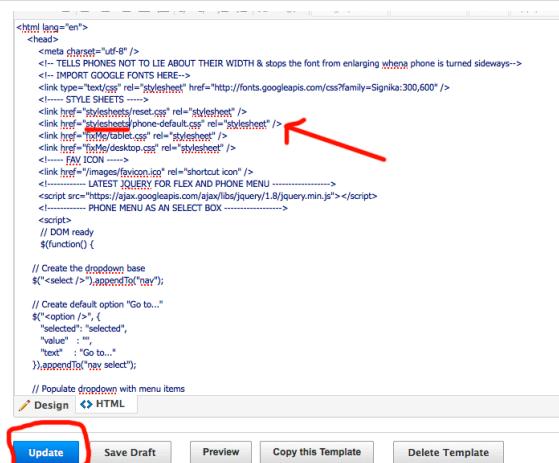
## Enable the Phone Default CSS

70 “Mobile First Design” is building the CSS for the phone first and then enhancing for tablet and enhancing again for the desktop.

71 Click the <>HTML link at the bottom of the Responsive page template.

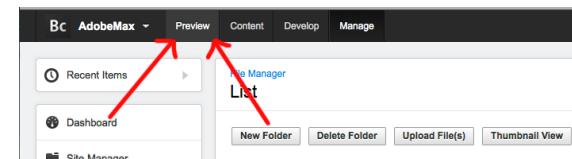
Enable the “phone-default.CSS” by changing the “fixMe” text to “stylesheets”.

Click “Update”.



## Preview Your Site

72 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.



73 Wow what a difference. What you are seeing is the phone version of your site.

Please change the width of your internet browser and see how the images scale.

Please note that the menu items that were showing up as links are now HIDDEN. You only have the option/select available for navigation.



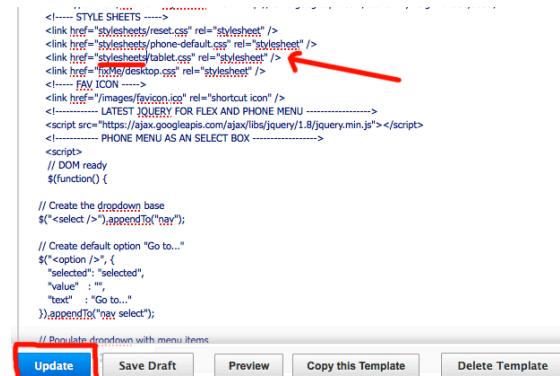
### Enable the Tablet CSS

74 Now that we have the phone CSS in place we will add a tablet style sheet that kicks in when the browser is wider than 600px.

75 Click the <>HTML link at the bottom of the Responsive page template.

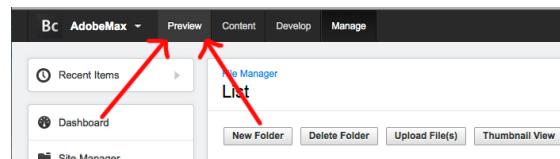
Enable the “tablet.CSS” by changing the “fixMe” text to “stylesheets”.

Click “Update”.



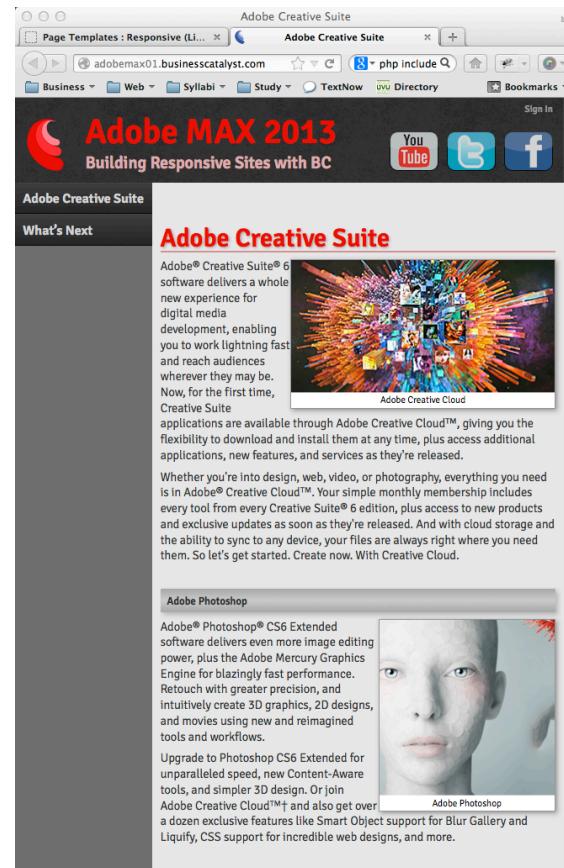
### Preview Your Site

76 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.



77 Make your browser narrow and wide to see it switch between the phone and the new tablet versions. Notice the side navigation on the tablet version.

Remember there is no “over” state on a touch device so I like to expose all the menus to the user on the tablet for quick one-touch access to any page on the site.



## Enable the Desktop CSS

78 Now that we have the phone and tablet CSS in place we will add a tablet style sheet that kicks in when the browser is wider than 961px.

79 Click the <>HTML link at the bottom of the Responsive page template.

Enable the “desktop.CSS” by changing the “fixMe” text to “stylesheets”.

Click “Update”.

```

<!--- STYLE SHEETS --->
<link href="stylesheets/reset.css" rel="stylesheet" />
<link href="stylesheets/phone-default.css" rel="stylesheet" />
<link href="stylesheets/tablet.css" rel="stylesheet" />
<link href="stylesheets/desktop.css" rel="stylesheet" />
<!-- FAV ICON --->
<link href="http://fixme.ip" rel="shortcut icon" />
<!-- LATEST JQUERY FOR FLEX AND PHONE MENU --->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.8/jquery.min.js"></script>
<!-- PHONE MENU AS AN SELECT BOX --->
<script>
// DOM ready
$(function() {
  // Create the dropdown base
  $('<select>').appendTo('#nav');
  // Create default option "Go to..." 
  $('<option>').each(function() {
    if(this.selected) {
      this.selected = false;
      this.value = '';
      this.text = "Go to...";
    }
  }).appendTo('#nav select');
  // Populate dropdown with menu items
  // ...
});

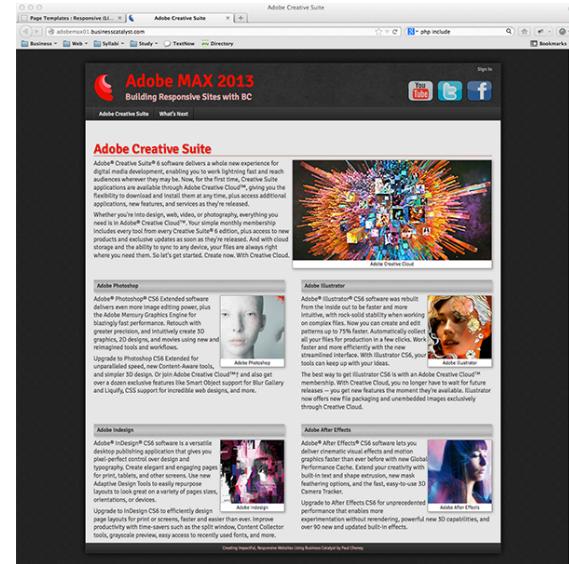
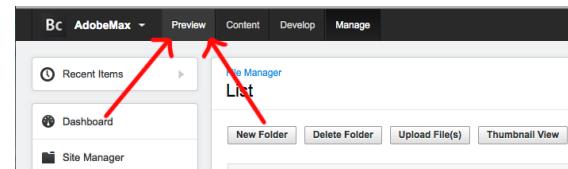
```

Design

## Preview Your Site

80 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.

81 Make your browser narrow and wide to see it switch between the phone, tablet, and desktop versions. Notice that the desktop version stops at 960 px wide, it is centered, and has two columns of content. The desktop version also features drop down menus which we will add a little later.

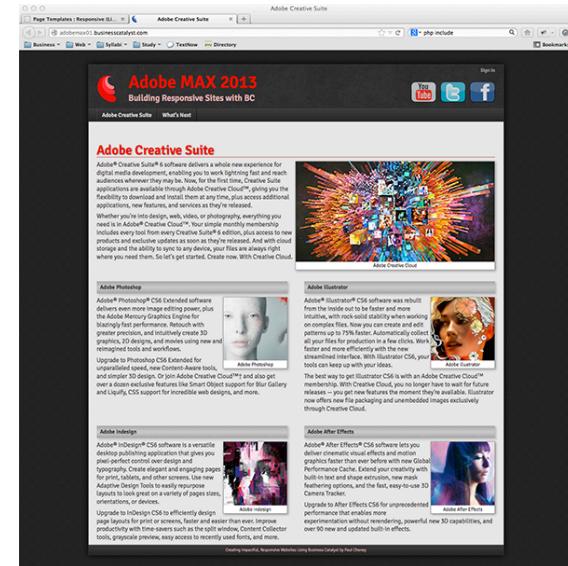


# Thou Shalt Not Lie

## Preview on Your Mobile Device

82 Here is our site on a nice wide desktop computer screen.

No Problems!



83 Here is our site on a tablet in portrait mode. Basically it's the desktop version squashed down to fit my tablet screen size.

Try rotating your tablet to see how the page still fills the screen width regardless of orientation.



84 Here is our site on a phone in portrait mode. Basically it's the desktop version squashed down to fit my phone screen size.

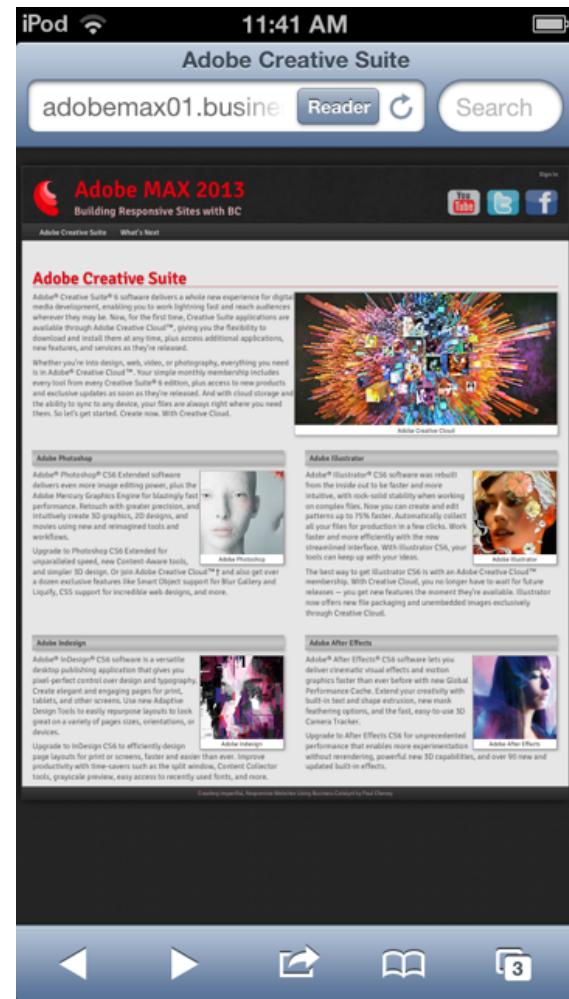
The text is illegible!

If you double tap to enlarge the font then get sideways scrolling which is difficult to read.

Try rotating your phone to see how the page still fills the screen width regardless of orientation.

---

What you're seeing is a phone trying to handle a non-responsive site by masquerading around as a nice wide desktop screen. We need to tell the phone to report the width of the browser window as the same as the device width. In the case of an iPhone, the report width is 320px. What's your phone?



## Stop the Phone from Lying

85 Click the <>HTML link at the bottom of the page.

Count down about 4 lines till you see this

<!-- TELLS PHONES NOT TO LIE ABOUT  
THEIR WIDTH & stops the font from  
enlarging when phone is turned sideways-->

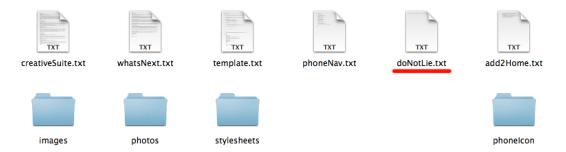
86 Use Notepad to open the source file titled “doNotLie.txt”.  
choose Edit > Select All.  
choose Edit > Copy.

### Template Content

```

<html lang="en">
<head>
<meta charset="utf-8" />
<!-- TELLS PHONES NOT TO LIE ABOUT THEIR WIDTH & stops the font from enlarging when phone is turned sideways-->
<!-- TELLS GOOGLE FONTS HERE-->
<link type="text/css" rel="stylesheet" href="http://fonts.googleapis.com/css?family=Signika:300,600" />
<!-- STYLESHEETS -->
<link href="styleheets/reset.css" rel="stylesheet" />
<link href="styleheets/phone-default.css" rel="stylesheet" />
<link href="styleheets/tablet.css" rel="stylesheet" />
<link href="styleheets/desktop.css" rel="stylesheet" />
<!-- FAV ICON ----->
<link href="images/favicon.ico" rel="shortcut icon" />
<!-- LATEST JQUERY FOR FLEX AND PHONE MENU ----->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.8/jquery.min.js"></script>
<!-- PHONE MENU AS AN SELECT BOX ----->
<script>
// DOM ready
$(function() {
  // Create the dropdown base
  $('#select').appendTo('nav');
  // Create default option "Go to..."
  $('#<option>').{
    'selected': 'selected',
    'value': 'value',
    'text': 'Go to...'
  }).appendTo('#mySelect');
})><script>

```



87 Switch back to the internet browser and right-click to paste into the empty space after **<!-- TELLS PHONES NOT TO LIE ABOUT THEIR WIDTH & stops the font from enlarging when phone is turned sideways-->**

You should see the following HTML code.

Click Update.

```
<html lang="en">
<head>
<meta charset="utf-8" />
<!-- TELLS PHONES NOT TO LIE ABOUT THEIR WIDTH & stops the font from enlarging when phone is turned sideways-->
<meta name="viewport" content="width=device-width; initial-scale=1.0; maximum-scale=1.0;" />
<!-- IMPORT GOOGLE FONTS HERE-->
<link type="text/css" rel="stylesheet" href="http://fonts.googleapis.com/css?family=Signika:300,600" />
<!------- STYLE SHEETS ----->
<link href="stylesheets/reset.css" rel="stylesheet" />
<link href="stylesheets/phone-default.css" rel="stylesheet" />
<link href="stylesheets/tablet.css" rel="stylesheet" />
```

## Preview Your Site

88 Since this site was already responsive on the desktop you don't need to preview it again.

However, you should be impressed when viewing the responsive site on your tablet. Notice how the articles are stacked vertically where as on the desktop they were two columns side by side.

Try turning it sideways to see both the landscape and portrait versions.



89 You should also be impressed when viewing the responsive site on your phone.

Try turning it sideways to see both the landscape and portrait versions.

Also try the menu system on the phone and see how it responds on your phone.

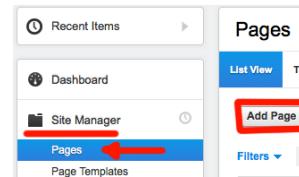


# Build a Page From Scratch

90 So far you have done a lot of copying and pasting. Let's build a new page from scratch, which ties into the existing responsive CSS.

Under "Site Manager" click "Pages".

Then click "Add Page".



91 Set the page name to "Contact Us".

Set the template to "Use Default Template".

Scroll down and click the <>HTML tab.

Delete all the default code.

Change back to the design tab.

Type "Contact Us".

Highlight "Contact Us" and set the style as Heading 2.

Below that, type "Cell Phone".

Highlight "Cell Phone" and set the style to Heading 4.

Below that, type your cell phone number.

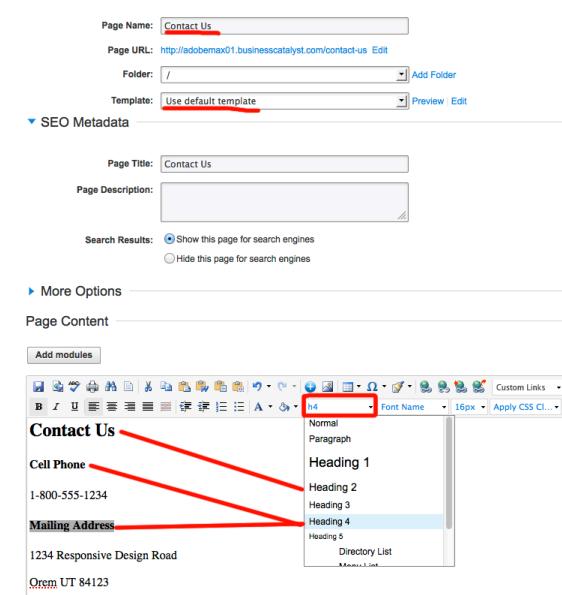
There is no need to style it since it will default to a paragraph tag.

Below that, type "Mailing Address".

Highlight "Mailing Address" and set the style to heading 4.

Below that type your business address.

There is no need to style it since it will default to a paragraph tag.



92 Once you are done adding information, you need to insert some code in the HTML so it works properly with the CSS I have already created for this template.

Click the <>HTML tab at the bottom of the page.

Insert these two lines above everything else.

```
<div class="row">
<article>
```

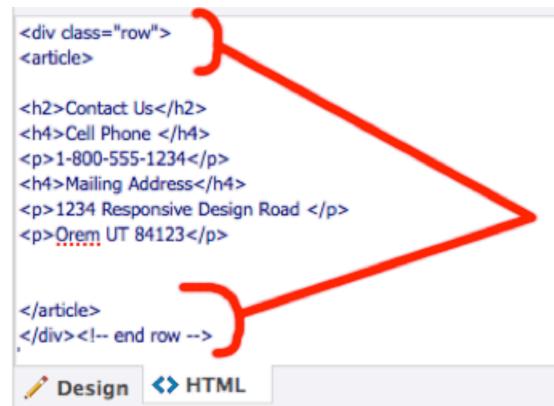
Insert these two lines at the very bottom of the page below everything else.

```
</article>
</div><!-- end row -->
```

Click “Publish”.

93 Now let's add an iframe for a Google Map. Open maps.google.com and find your place of business.

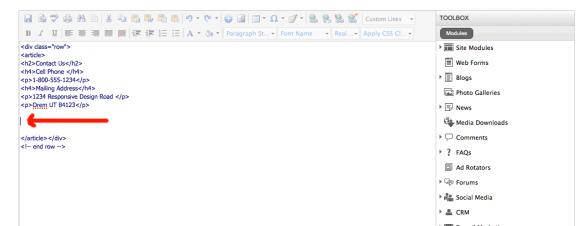
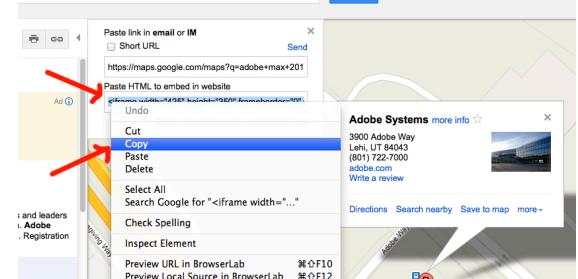
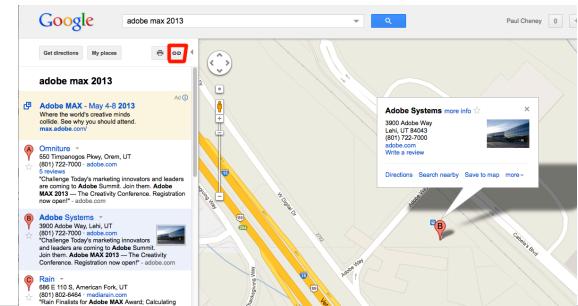
Click the link icon



**Publish**   **Save Draft**   **Cancel**

94 Click inside the box underneath “Paste HTML to embed in website” where you see the <iframe> code.

Copy the code.

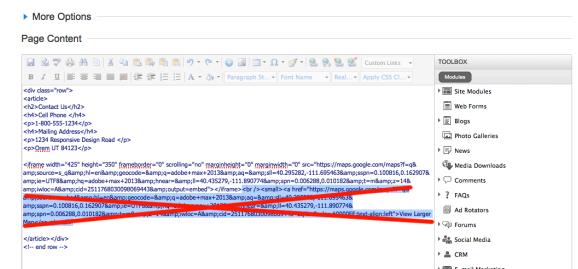


95 Switch back to the Contact Us page and change to <>HTML view

Insert 4 hard returns before the </article> and paste the iframe code.

96 In addition to the iframe code there is also a link to take a visitor to the same map in Google's website.

Please delete everything after the closing </iframe>



97 Currently the map has a fixed width which is not responsive. Please change the width to “100%” as shown. Please keep the quote marks in place.

Click “Update” again to save your changes.

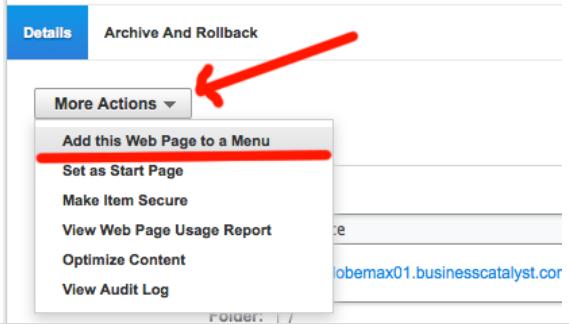
```
<p>1234 Responsive Design Road </p>
<p>Orem UT 84123</p>

<iframe width="100%" height="350" frameborder="0"
amp;source=s_q&amp;hl=en&amp;geocode=&amp;q=
amp;ie=UTF8&amp;hq=adobe+max+2013&amp;hnear
amp;iwloc=A&amp;cid=2511768030098069443&amp;o
```

## Link this New Page to the Main Menu

98 After you click “Publish” for the first time to save a page, an additional menu will appear at the top of the page called “More Actions”.

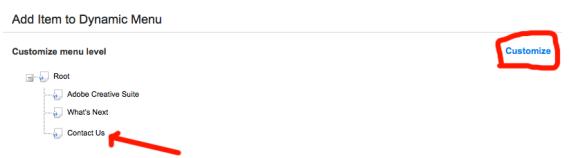
Select “Add this Web Page to a Menu” from the dropdown



99 Click the “Main Menu”

## Add Item to Dynamic Menu

Main Menu

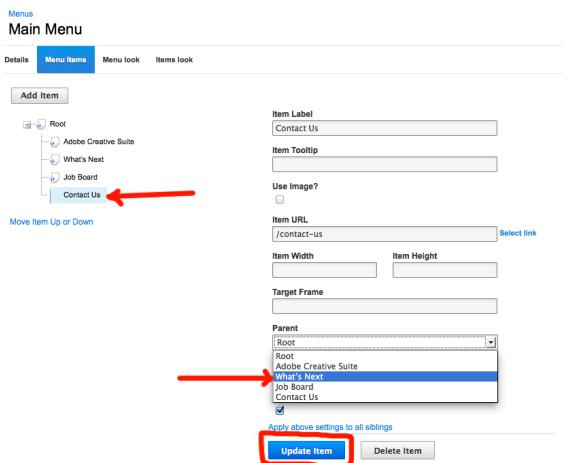


100 You will see a new menu item “Contact Us” added to the bottom of the menu. Since this is not exactly what we want, please click Customize at the right side to make modifications.

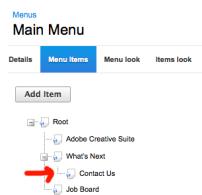
101 First Click the “Contact Us” link at the left side of the screen.

Next change the parent from “Root” to “What’s Next”

Click “Update Item”.

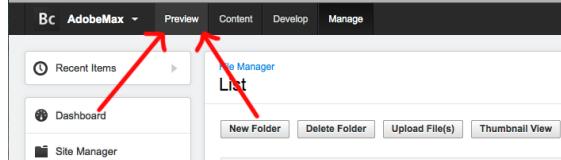


102 There is now a new link beneath “What’s Next” called “Contact Us” which means we created a submenu.



## Preview Your Site

103 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.



104 When viewed on the desktop, the new page sub menu item appears when you hover over the “What’s Next” menu item.



105 When viewed on the tablet, the new page sub menu item appears smaller and below the “What’s Next” menu item.



106 When viewed on a phone, it appears beneath “What’s Next” and looks the same as the other menu items.



# What's Next?

## Phone Navigation Options

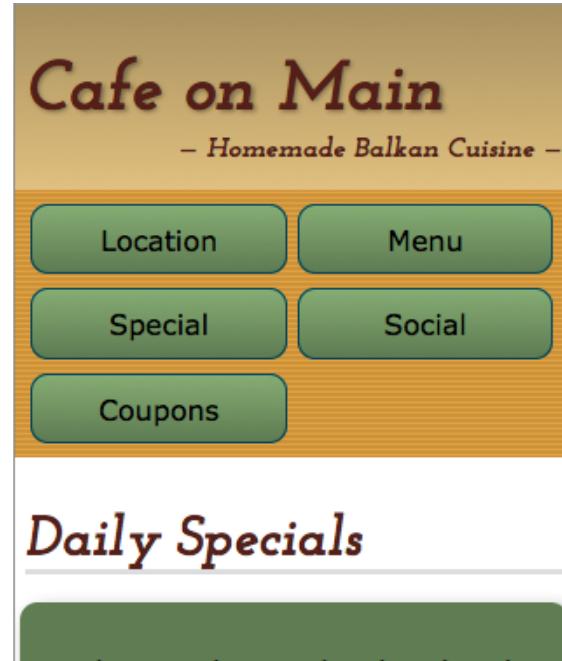
There are four variations that I use for my clients.

107 One type is for sites with very few links. For these sites I display the links at the top of the page. If the menu items are short enough I will even put them in two columns.

Try it out.



<http://www.cafeonmainslc.com/>



The screenshot shows a mobile website for 'Cafe on Main'. The header features the restaurant's name in a large, stylized font with the subtitle '– Homemade Balkan Cuisine –' below it. Below the header is a grid of four teal-colored buttons arranged in two rows of two. The top row contains 'Location' and 'Menu'. The bottom row contains 'Special' and 'Social'. The background of the page has a yellow and orange striped pattern.

108 Another solution is to hide the menu items and then have a jQuery script to show and hide the menu.

Try it out.



<http://christkindlmarkt-slc.com/>



The screenshot shows a mobile website for the 'Christkindlmarkt SLC'. At the top is a decorative banner with the text 'Christkindlmarkt SLC' and a cartoon character of a child in a winter hat and coat. Below the banner is a button labeled 'Show Navigation'. The page then splits into sections: 'Location' (with the text 'This is the Place Heritage Park 2601 E. Sunnyside Avenue'), 'Dates' (with the text 'November 29, 30 and December 1, 2012'), and 'Hours' (which is currently cut off). The background has a parchment-like texture.

109 A third solution is the one we used for this tutorial. It uses the phones built-in capability for an option/select box.  
Try it out.



<http://daltonsteakhouse.com/>



110 A fourth solution is for large sites with many links and sub menu items. This jQuery solution presents the navigation over the html page.

Try it out.



<http://barcelastic.businesscatalyst.com/>



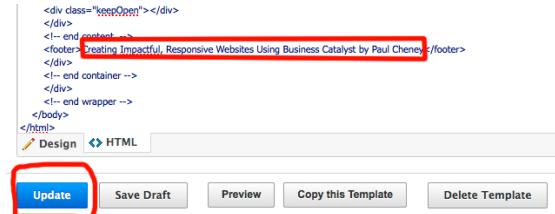
# Customize the Template (Bonus Activity)

## Modify the Footer

Now that you have a fully responsive, Mobile First, site built using Business Catalyst, try customizing the template for your own use.

111 Click the <>HTML link at the bottom of the responsive page template.

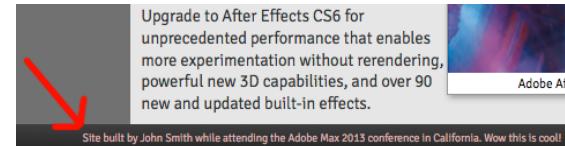
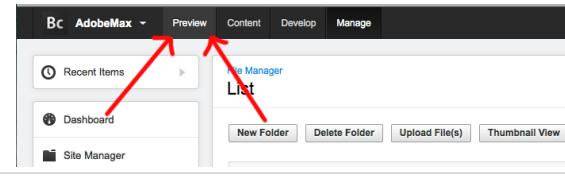
Count up 7 lines from the bottom of the code and change the footer information to your name and business.



## Preview Your Site

112 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.

113 Scroll down to the footer and you should see your new information.



# Modify the Break Points (Bonus Activity)

## Discussion

When I build a site using the “Mobile First” approach, I start out with a reset style sheet that is applied to all devices from the phone to the desktop. I also have a Phone-Default style sheet, which is applied to all devices as well. Then I have to choose a point where I want to ADD additional CSS rules for the tablets. This example site uses a breakpoint of 600px. I also have to choose a point where I want to ADD additional CSS rules for the desktop. This example site uses a breakpoint of 961px.

Here are some break points you may find useful.

iPhone 4 in portrait mode is **320px** wide.

iPhone 4 in landscape mode is **480px** wide.

iPhone 5 in portrait mode is **320px** wide.

iPhone 5 in landscape mode is **568px** wide

iPad in portrait mode is **768px** wide.

iPad in landscape mode is **1024px** wide.

If we wanted the phone in landscape mode to display the tablet look and feel (where the menus are at the side and not in an option/select) then we could change easily do so.

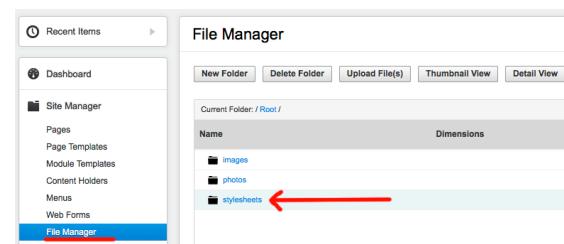
## Change the Tablet Break Point

114 Lets change the breakpoint between the phone and tablet to 475px.

Under “Site Manager” click “File Manager”.

If necessary, click the “/Root/” link

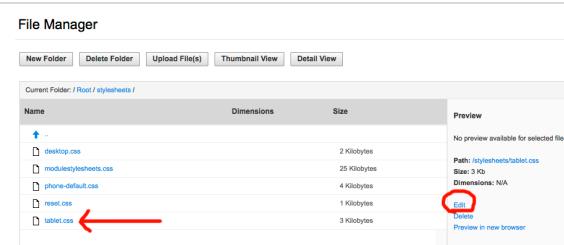
Click the “stylesheets” folder.



The screenshot shows the Site Manager interface. On the left, a sidebar lists 'Site Manager' options: Pages, Page Templates, Module Templates, Content Holders, Menus, Web Forms, and File Manager (which is selected and highlighted in blue). The main area is titled 'File Manager' and shows a list of files in the 'Root' folder. The 'stylesheets' folder is highlighted with a red arrow. Other files listed include 'images', 'photos', and 'images' (repeated).

115 Click the “tablet.css”.

Over to the right of your screen click the “Edit” link.

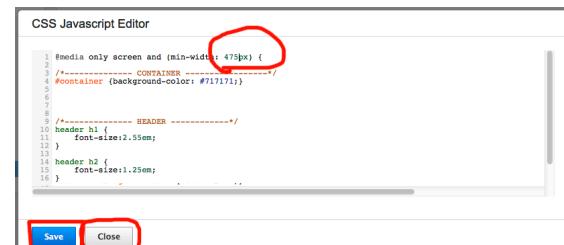


The screenshot shows the 'File Manager' interface with the 'tablet.css' file selected. The file details are shown on the right: Path: /stylesheets/tablet.css, Size: 3 Kb, Dimensions: N/A. The 'Edit' link is highlighted with a red arrow. Other files in the list include 'desktop.css', 'modulystylesheets.css', 'phone-default.css', 'reset.css', and 'tablet.css' (which is highlighted with a red arrow).

116 Change the first line min-width from 600px to 475px.

Click “Save”.

Click “Close”.



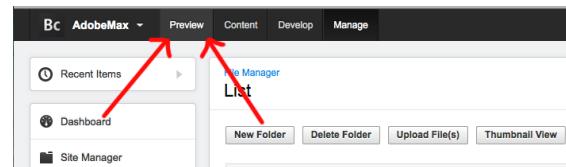
The screenshot shows the 'CSS Javascript Editor' for the 'tablet.css' file. The code is as follows:

```
1: @media only screen and (min-width: 475px) {  
2:   /*----- Container -----*/  
3:   #container {background-color: #f1f1f1;}  
4:  
5:   /*----- HEADER -----*/  
6:   header h1 {  
7:     font-size: 2.55em;  
8:   }  
9:  
10:  header h2 {  
11:    font-size: 1.25em;  
12:  }  
13:  
14:  
15:  
16: }
```

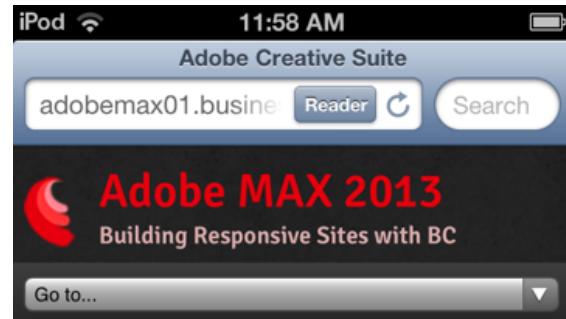
The first line of code is circled with a red circle. At the bottom of the editor, there are 'Save' and 'Close' buttons, both of which are highlighted with red circles.

## Preview Your Site

117 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.



118 While the phone still displays this version of the site when in portrait mode...



119 When you turn your phone sideways, you will get this version of the site (as long as your phone is wider in landscape mode than 475px!).

## Adobe Creative Suite



Adobe® Creative Suite® 6 software delivers a whole new experience for digital media development, enabling you to work lightning fast and reach audiences wherever they may be. Now, for the first



# Add to the Home Screen (Bonus Activity)

## Discussion

All Apple mobile devices have the ability to make any web page a link on the home screen. If your site is one that you believe your customers use a lot then you may want to instruct/encourage them to add your site to their home screen. While this cannot be done programmatically, you can add a message to the page that shows them how to do it themselves. If this is something you want to try here are the steps.

*Unfortunately this only works on apple products.*

*Fortunately once it's done, the grey invitation does not return.*

*When launched from the home screen the navigation bars are missing and it acts like a native app. Now that's COOL!*

## Add Code to the Template

120 Click on “Site Manager” and then on “Page Templates”.

On the right side of the page, click “Edit” to open the responsive template we built earlier.

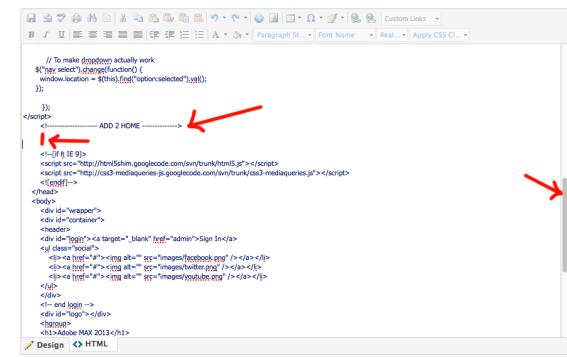


121 Click the <>HTML link at the bottom of the page.

Scroll about halfway down the page until you see

**<!----- ADD 2 HOME ----->**

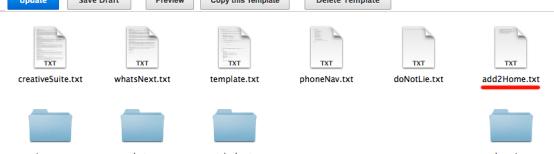
Click after this line and hit “Return” on the keyboard.



122 Use Notepad to open the source file titled “add2Home.txt”.

choose Edit > Select All.

choose Edit > Copy.



123 Switch back to the internet browser and right-click to paste into the empty space after **<!-- ADD 2 HOME -->**

You should see the following HTML code.

Click Update.

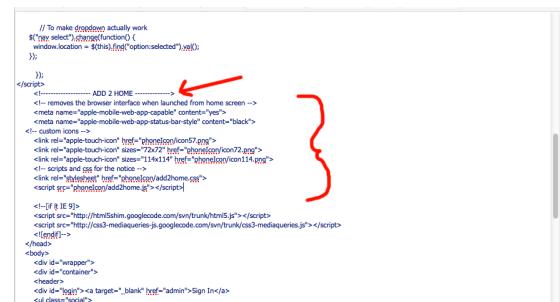
124 Open the File Manager.

Click the “Root” link to return to the root of the site.

Click “New Folder”.

Type “phonelcon” (notice the uppercase I in the name) as the folder name and click Save.

125 Open the newly created “phonelcon” folder by clicking on it.



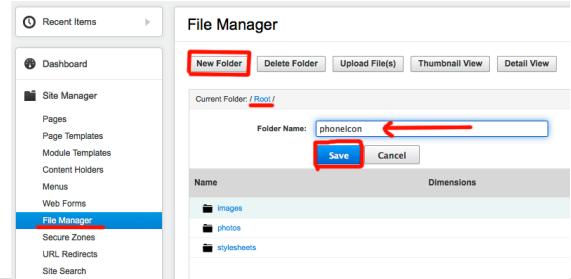
```

// To make dropdown actually work
$(“#option-selected”).change(function(e) {
  window.location = $(“#option-selected”).val();
});

</script>
</head>
</html> ADD 2 HOME ---->
<meta name="apple-mobile-web-app-status-bar-style" content="black">
<meta name="apple-mobile-web-app-capable" content="yes">
<meta name="apple-mobile-web-app" content="http://phonelcon.com">
<link rel="apple-touch-icon" href="phonelcon/icon57.png">
<link rel="apple-touch-icon" href="phonelcon/icon72.png">
<link rel="apple-touch-icon" href="phonelcon/icon114.png">
<link rel="apple-touch-icon" href="phonelcon/icon114.png">
<link rel="apple-touch-favicon" href="phonelcon/favicon.png">
<script src="phonelcon/add2home.js">
</script>

```

Design    HTML    **Update**    Save Draft    Preview    Copy this Template    Delete Template



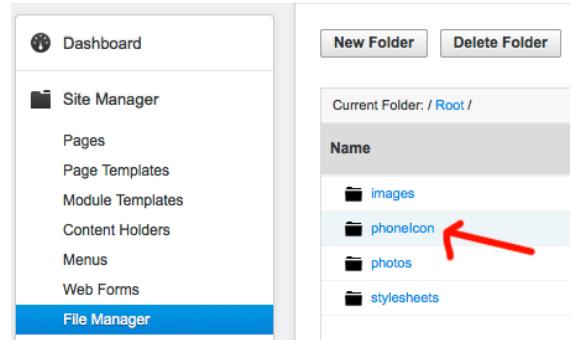
File Manager

New Folder    Delete Folder    Upload File(s)    Thumbnail View    Detail View

Current Folder: / Root /

Folder Name: **phonelcon**    **Save**    Cancel

Name	Dimensions
images	
photos	
stylesheets	



File Manager

New Folder    Delete Folder

Current Folder: / Root /

Name

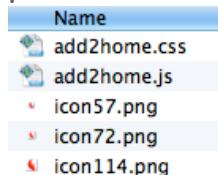
- images
- phonelcon**
- photos
- stylesheets

126 Click Upload File(s)

Click “Add” 3 more times to give you 5 boxes.

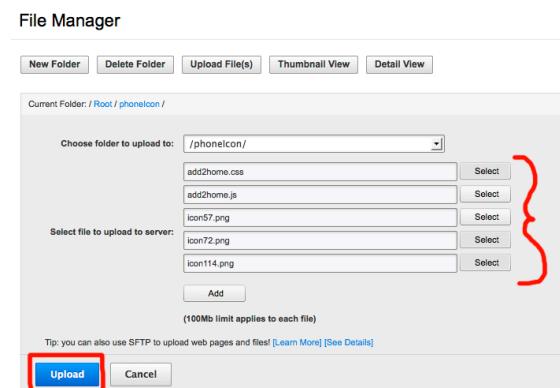
Click “Select” next to each box and choose a file to upload.

Select **all five of the files** from the phonelcon folder in the source files.



Name
add2home.css
add2home.js
icon57.png
icon72.png
icon114.png

Click the blue “Upload” button and wait.



File Manager

New Folder    Delete Folder    Upload File(s)    Thumbnail View    Detail View

Current Folder: / Root / phonelcon /

Choose folder to upload to: /phonelcon/

add2home.css    Select

add2home.js    Select

icon57.png    Select

icon72.png    Select

icon114.png    Select

Select file to upload to server:

Upload    Cancel

(100Mb limit applies to each file)

127 When you are done you should see this.

Name	Dimensions	Size
add2home.css		5 Kilobytes
add2home.js		13 Kilobytes
icon114.png	114 x 114	7 Kilobytes
icon57.png	57 x 57	5 Kilobytes
icon72.png	72 x 72	5 Kilobytes

## Preview Your Site

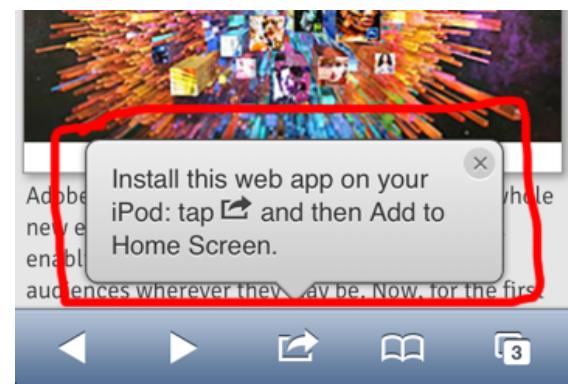
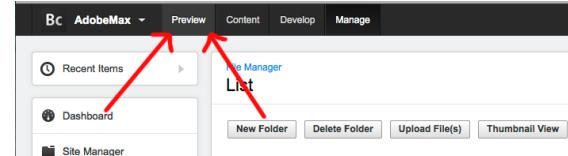
128 Click the “Preview” button in the black header at the top of the page. This should open a new tab in your internet browser.

129 At the bottom of your iPhone screen you will see this message appear after about 3 seconds. It also fades out after a few seconds.

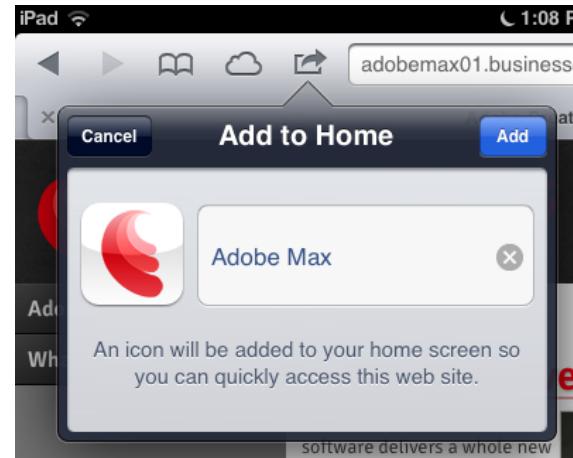
Once the customer creates a home button, the message does NOT reappear.

130 At the top of your iPad screen you will see this message appear after about 3 seconds.

131 If the user selects the icon, they are given the opportunity to “Add to Home Screen”.



132 Once they do, they can customize the Home Screen name.



133 Your website now looks and looks like an application on the desktop.



134 When the user opens it, the internet browser navigation bars are removed and your site takes over the entire screen just like a native app.

